Reference to last Measurement 8
5356/19-20
same issued
Ward No. 05
Engr. 26/12

SBRN = 000038/20-21
07/12/2020

1st & part

Sub Code: 005-20-000098 Est cost: 800.00 lakhs

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535501

Serial No. .....

Name of work Improvements to Roads and Drains at Bhagath Endow Kalidasa layout ... From Chamundeshwari nagara, Babanagar, Srirampura, MCECHS layout, palanahalli and Surrounding areas in Ward No 05

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work Order No: BBMP/EE/BTP/W.O/121/2020-4 Dt 29/09/2020						
	Name of Agency: M/s SMLP Asphalts, prop B.B. Umesh, Bangalore.						
	(1) Removing and refixing stone slabs of drains & pointing in CM(1:3) with all lead & lift & as per the directions of Engineer in-charge.						
	@ Rate 116/- m^3					Qty - 1932.81 m^3 = 224206/2 = 96.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) Excavation for road, drains & Similar works Earthworks excavation by manual means in ordinary soil involving an average throw upto 2m & any Lift upto 0.5m excavated surface leveled & sides neatly dressed the disposed earth to be leveled neatly after breaking of clods etc complete. @ Rate 217/m^3					Qty- 3789.31 m^3 = 822280 = 570	
	(3) providing granite slabs of selecting quality roughly dressed having a size of 7.5cms thick & tires						

Serial No. .....
Name of work .....
Name of Contractor of nature o
Date of commencement of wor

Date	Full description, etc,
1	2
	in C.M(1: will all Engineer- (4) providing & down aggregates mixed pl vibration

all mate

Reference to last Measurement
8

ork in
ns in ordinary
p to 2m & any
ve levels &
arth to be
clods etc

1 m³
22280 = .27
Quality
lide & tires

M. A. R. 57 (Rule 116) No. E 535502
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	in C.M(1:6) including fixing with all lead & lift & as per Engineer-in-charge @ Rate 779/m²				Curing etc Compleate as directions of Qty- 2403.89 m² = 1872630 = .31	
④	Providing & laying plain C.C 7 mix 1:3:6 with 40 mm nominal coarse & down size graded granite aggregates & fine aggregates in foundation machanically mixed placed in foundations & compacted by vibration including curing for 14 days including cost all materials etc Compleate.					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rate 5692/m^3					Qty- 384.51 m^3	
						= 2188631 = ~~70~~ .92	
	(5) providing & laying plain/reinforced cement concrete for side drains using M20 nominal mix concreate with 20 m.m & down size granite metal coarse aggregates & fine agegregates machine mixed well compacted for walls & bottom including centering shuttering cost of materials HOM & machinery curing etc complete						
	@ Rate 7423/m^3					Qty- 745.03 m^3	
						= 5530358 = ~~88~~ .69	
	(6) providing T.M.T steel reinforcement for R.C.C work including straightening cutting bending						

Serial No. .....
Name of work .....
Name of Contractor o
Date of commenceme

Date	Full descr
1	
	hookin where anch nece labour
(7)	prov m to course

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535503

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	hooking placing in position lapping & or welding wherever required tying with binding wire & anchoring to the adjoining members wherever necessary compleate as per design cost of materials labour, HOM & machinery etc compleate					
	⑤ Rate 7593.6/Tonne				Qty - 43.72 Tonne = 331992	92
⑦	Praiding & constructing granite/trap/basalt SSM in foundation with C.M. stone hammered dressed in course not less than 20 cm high bond stones at 2m					

Reference to last Measurement 8

8&630 = 92

cinar concrete
concreate
metal course
mixes well
ng centering
achinery

3
1
53035 = 69
for R.C.C
bending

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	apart in each course including cost materials labour curing etc complete @ Rate 5114/m^3					Qty- 34.18 m^3 = 174796.52	
(8)	providing & laying in position P.C.C & mix 1:2:4 with 20 m.m & down size granite metal coarse aggregate & fine aggregate machine mixes concrete laid in layers not exceeding 15cms thick well compacted in foundations including cost of all materials curing etc complete @ Rate 6034/m^3					Qty- 219.21 m^3 = 1322713.14	

Serial No. .....
Name of work .....
Name of Contractor of
Date of commencemer

Date	Full descrip
1	
(9)	provid concre density Compr constr labour
(10)	provi 100 m.m gran

Reference to last Measurement 8
materials
3
74798 = .52
mix 1:2:4
& coarse
mixes Concrete
Like well
ost of all
3
1322713 = .14

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535504

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(9)	providing & constructing load bearing wall with Sol:d concreate blocks of size (400x150x200 m.m having block density not less than 1800 kg/m³ & having a min avg compressive strength 400 N/mm² Conforming to IS & constructed with 1:4 mixing cost of all labour charges etc Complete @ Rate 1028/m²					Qty - 1947.88/m² = 200420 = .69/-	
(10)	providing & fixing Rcc pre cast covering Slabs of 100 m.m thick for drain in C.C M25 using graded granite Jelly 20 m.m & down size with Steel						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	reinforcement including form work Lift- charges curing & Concreate finished surface etc complete @ Rate 2453/m² Qty - 3649.23m² = 8951561 = 80 .19						
(11)	Providing & Fixing pre cast- Covering Slabs 250m.m thick made out of mix & Jelly 20m.m down size with steel reinforcement- including form work 20m.m down size with steel reinforcement- including form loading, Unloading lead & Lift- transportation etc Complete @ Rate 5688/m² Qty- 155.16m² = 882550 = 88 .08						

Serial No. .....
Name of work .....
Name of Contractor of natu
Date of commencement of

Date	Full description,
1	2
(12)	Excavatio excavatio loading accordan cross s location
(13)	Concr as Sub -

coarse

Reference to last Measurement 8
re Lift-
ved Surface
-3m²
895156 = 88 .19
ing flaks
sally 20mm
ment - including
ilt steel
ading, Unloading
ipment
155.16m² .08
= 882550 = 88

M. A. R. 57 (Rule 116) No. E 535505
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(12)	Excavation for road work in soil with hydraulic excavation of 0.9m³ bucket capacity including cutting & loading tippers. trimming bottom & sides slopes in accordance with requirements & lines grades and cross section & transporting to the embankments location to a lead of 11Km etc complete @ Rate 60/m³				Qty - 5877.13m³ = 352627 = 50 .80		
(13)	Construction of granular Sub base grading-U as Sub-base and drainage layer by providing coarse graded crushed stones aggregate of granite						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	material mixing in a machanical mix plant at OMC, carriage & mixed materials to work site spreading in uniform layers with motor grader on prepared surface & compacting with vibratory power roller to achive 1k 98% proctor density etc complicate @ Rate 2094/- m^3					Qty- 2878.59 m^3 2714.46 5684079.24 = 6027767=00	
(14)	providing laying spreading & compacting Crushed stone aggregates of granite/basalt to wet mix macadam specifications including premixing 1k materials with water at OMC in machanical						

Serial No. .....
Name of work .....
Name of Contractor of na
Date of commencement

Date	Full descripti
1	2
	mix pla site w sub-b compa desire
(15)	provi bitum granu

Reference to last Measurement 8
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3.59 m³ 5684079.24
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M. A. R. 57 (Rule 116) No. E 535506
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	mix plant carriage & mixes materials by tipper to site laying in uniform layer with paver in sub-base course on ~~each~~ prepared surface & compacting with vibratory roller to achieve the desired density etc complete. @ Rate 210/m³				Qty-	4071.69 4317.89 m³	8554620.69 = 9071887=00
(15)	providing & applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning						

~~R6 of N66~~

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of road surface & Spraying primer at the rate @ 0.60 kg/m² using mechanical means etc complete @ Rate 30/m² Qty - 2571.66 m² = 77149 = 86						
(16) nil							
(17)	providing & applying tack coat using 80/100 grade bitumen on the prepared black topped surface at 2.5 kg per 10 m² heating bitumen in boiler fitted with spray set including cost of all materials labour. Hire & mailing etc complete @ Rate 13/m² Qty - 2571.66 m² = 33431 = 58						

Serial No. .....
Name of work .....
Name of Contractor of nature
Date of commencement of w

Date	Full description, e
1	2
(18)	providing Macadam grading binder laying rolling tender compa @

Reference to last Measurement 8
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ons etc
66 m²
77149 = 86
Curing 80/100
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bitumen
including
om of mailing
66 m²
33431 = 38

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535507

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(18)	Providing & laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading premixed with VG 30 grade bitumen binder & transporting the hot mix to work site laying to the required grade, level & alignment rolling with smooth wheeled vibratory & tandem rollers to achieve the desired compaction in all respects etc complete @ Rate 6926/m²					Qty 128.58 m² = 890545 = 08	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	providing & laying bituminous concreate 40 m.m thick with hot mix plant using crushed agegregate & specified grading premixed with bituminous binder & filler transporting the hot mix to work site laying with a paver finisher to required grade. level & alignment rolling with smooth wheeled vibratory & tendem rollers to achive the desired Compaction in all respects complete as per specification etc Compleate @ Rate 8140/m^3					qty - 102.87 m^3 = 837361.80	
						44582837=00	

Serial No. .....
Name of work .....
Name of Contractor of nat
Date of commencement o

Date	Full description
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	1/12/2020
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(2)	The a any

Reference to last Measurement 8
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h bituminous
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to achive
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m^2
837361 ÷ 80
4582837 = 00

M. A. R. 57 (Rule 116) No. E 535508
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
4/12/2020	Net 43721884.63 12% of 5246626.15 Add Total 48968510.78 Grand total Q.T 48968000.00 (1) It is certified that the above work done satisfactorily. (2) The above Bill Amount is not claimed any of privious Bills.		Grand total 12% GST			= 44582837=00 = 5349940=00 = 49932777=00	

4/12/2020

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ವ್ಯಾಪ್ತಿಯನುಸಾರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
N.						Flagging course one metre Road.	

Serial No. .....
Name of work .....
Name of Contractor of natur
Date of commencement of w

Date	Full description, e
1	2

Reference to last Measurement 8
agging course
ewetmix Road.

M. A. R. 57 (Rule 116) No. E 535509
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Dimensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Charanda Nivasa 2nd cross Rd 1st cross L-110.9m L-132.9 L-135.2m 2nd cross Rd 3rd cross Rd L-24.6 L-24.3 L-112.8m L-129.5m 1st cross Rd L-154.3m 2nd cross Rd Wetmix Road Flagging course Atulcal layout-						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24
4/12/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24
4/12/2020

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Punyakoti mill to dairy Rd L-250.00m L-250.27m						
	Palanahalli						
	L-231.20m						
	25th Cross Road						
	Asphalt Road RCC Drain						
	Kogilu Main Rd						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Serial No. .....
Name of work .....
Name of Contractor of
Date of commenceme

Date	Full descri
1	
	palanahalli

Reference to last Measurement 8
20 m
ule Road
Asphalt Road RCC Drain
ಉಪವಿಭಾಗಾಧಿಕಾರಿಯವರು ಮತ್ತು ಉಪ ವಿಭಾಗ ಬೆಂಗಳೂರು-24

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535510

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Palerahalli L-69.8 L-70.8 L-38.8 L-67.5m L-2m School opposite Chokkasandra main Rd L-131.6m						Flagging Course Asphalt Road

ಸಹಾಯಕ ಆಯುಕ್ತರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಜಿ.ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Serial No. MLE

Name of work

Name of Contractor of natur

Date of commencement of w

Date	Full description,
1	2

K.V Layou

wet mix Road

M. A. R. 57 (Rule 116)

Measurement Book

No. E 535511

Serial No. MLE(HS layout

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	898 sq.m						
	L-11m						
	L-68m						
	K.V Layout Rd						
	Wet mix Road						
	L-102.5m						
	L-89.4m						

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

4/12/2020

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

4/12/2020

Reference to last Measurement 8

RCC Drain

4/12/2020

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Baba Nagara					RCC Drain Flagging Course	
			L-166.4m			L-6.5m	
			L-166.4m			2.1m	
			164.4m			4.5m	
			164.4m			3.6m	
			L-166.4m				
			L-179.4m				

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬಿ.ಬಿ.ಎಂ.ಪಿ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Post Bill

work .....
Contractor of
mmencement

Date | Full descript
1 | 2

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Special De
ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 48968
ಇದರಲ್ಲಿ ರೂ. 1902800
ಮಾಡಿಕೊಂಡು ರೂ. 4706

FT/NEFT/RTGS ಮುಖಾಂತ

ಲೆಕ್ಕಪರೀಕ್ಷಕರು

ents	Reference to last Measurement 8
	RCC Drain
	Rlagging Course

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Post Bill

M. A. R. 57 (Rule 116) No. E **535512**
Measurement Book

..... work ..... From ..... To .....
Contractor of nature of Agency.....
Commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Special Development Works. ರಡಿ ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ.48968000 ಗಳನ್ನು ಪಾವು ಮಾಡಿದೆ ಇದರಲ್ಲಿ ರೂ. 1902800/= ಗಳನ್ನು ಕೊಂಡಾಪಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ 47065200/= ಗಳನ್ನು FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಸಹಿ/- ನಿರ್ವಾಹಕರು ಎಕ್ಸಿಕ್ಯೂಟಿವ್ ಇಂಜಿನಿಯರ್ ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು 7/12 ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು 7/12	1st & Post	48968000.00 (TTB)				
		It	489680.00				
		CGST	437215.00				
		SGST	437215.00				
		Cess	489680.00				
		CBP	49010.00				
		Ded.	1902800.00				
		Chqe	47065200.00				